

## HYDRA 5.5in. x 15.5 lb/ft L-80 Flush Joint



### Pipe Body

Nominal OD	5.500	inches
Nominal Weight	15.50	lb/ft
Wall Thickness	0.275	inches
Plain End Weight	15.36	lb/ft
Standard Drift	4.825	inches
Nominal ID	4.950	inches
Grade	L-80	
Min Yield	80,000	lb/in <sup>2</sup>
Min Tensile	95,000	lb/in <sup>2</sup>
Critical Section Area	4.514	in <sup>2</sup>
Pipe Body Yield Strength	361	kips
Min Internal Yield Pressure	7,000	psi
Collapse Pressure	4,990	psi

### Connection

Connection OD	5.500	inches
Make Up Loss	4.225	inches
Critical Section Area	2.708	in <sup>2</sup>
Internal Pressure Rating	5,600	psi
External Pressure Rating	4,990	psi
Tension Efficiency	60%	
Connection Strength	217	kips
Compression Efficiency	217	kips
Uniaxial Bend Rating	41	° / 100 ft
Reference Depth	9,401	Ft.
Optimal Make Up Torque	4,127	ft-lbs
Min	3,345	ft-lbs
Max	4,909	ft-lbs

v1.0

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The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)\*(1.5). Reference Depth includes a 1.5 design factor. However, it does not consider bending, temperature, buoyancy or other load considerations.

## Torque Data Sheet - HYDRA

HYDRA 5.5in. x 15.5 lb/ft L-80 Flush Joint

Min Make Up Torque	3,345	ft-lbs	Nom Shoulder Torque	300	ft-lbs
Max Make Up Torque	4,909	ft-lbs	Max Operating	5,818	ft-lbs
Optimum Torque	4,127	ft-lbs	Yield	10,836	ft-lbs

